

**Exhibit 8A**  
**IDEX Curve and Corresponding Rates**  
**7-Year Maturity**



Exhibit 8B  
IDEX Curve and Corresponding Rates  
10-Year Maturity



Exhibit 8C  
IDEX Curve and Corresponding Rates  
12-Year Maturity

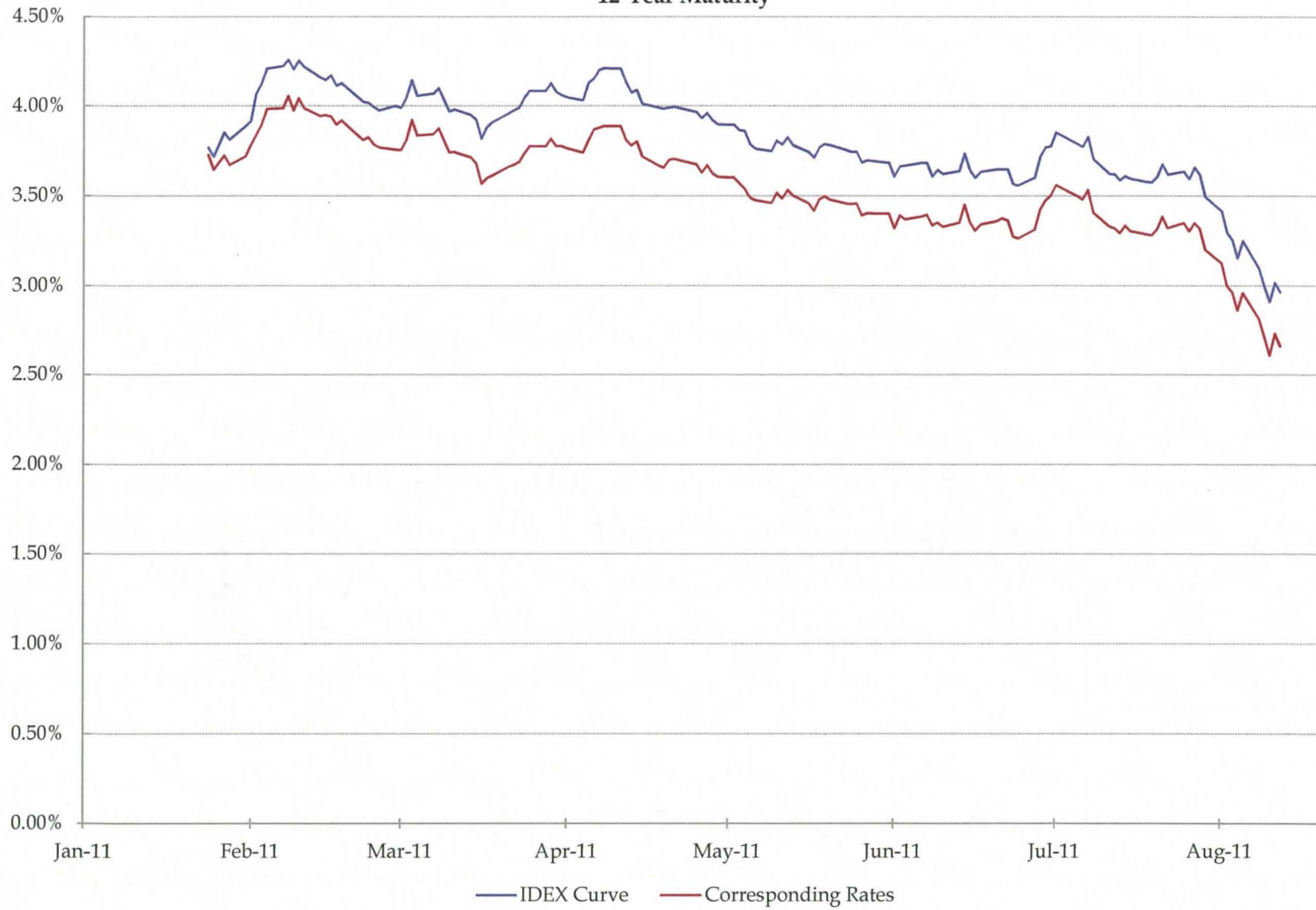


Exhibit 8D  
IDEX Curve and Corresponding Rates  
15-Year Maturity

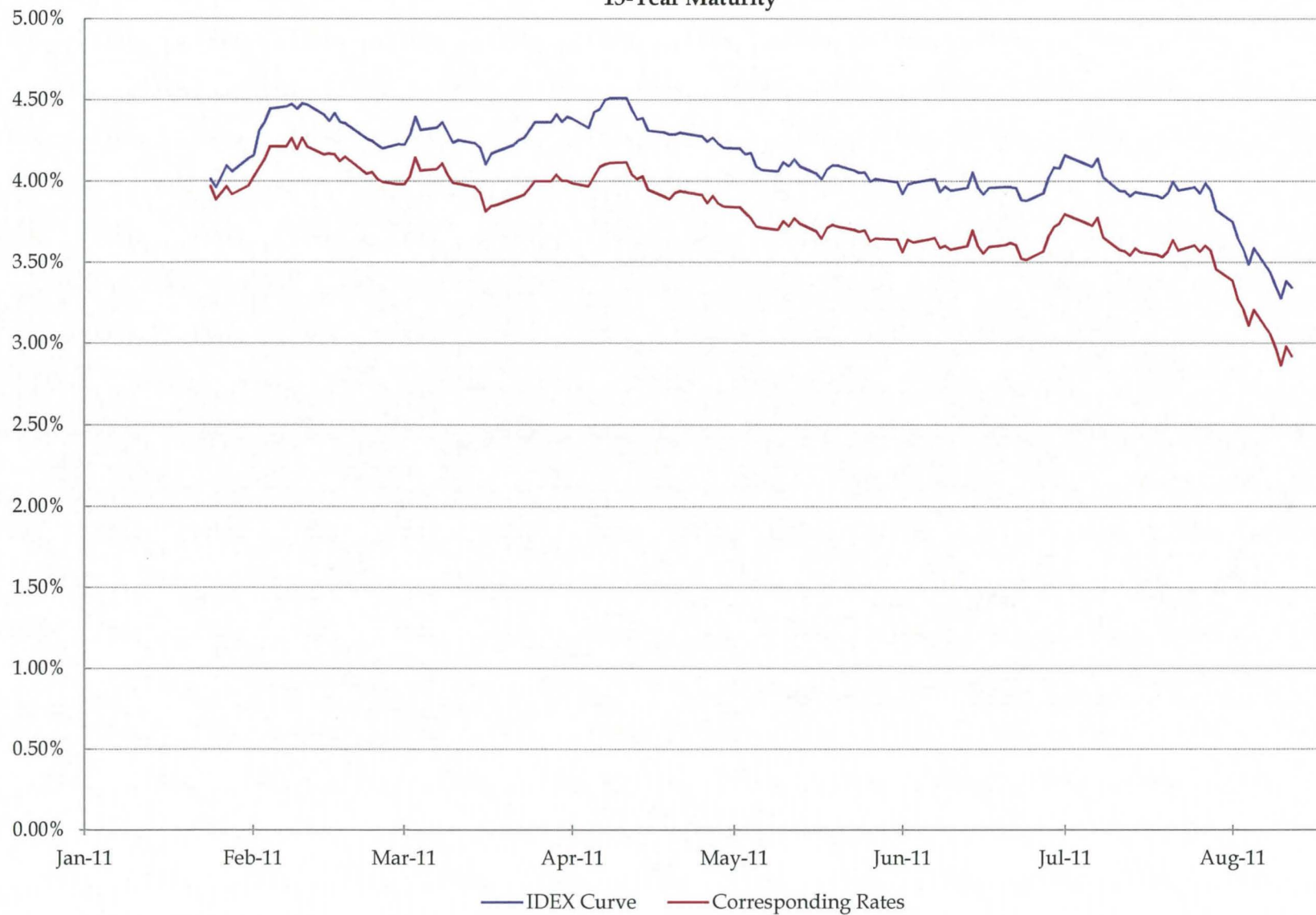


Exhibit 8E  
IDEX Curve and Corresponding Rates  
20-Year Maturity

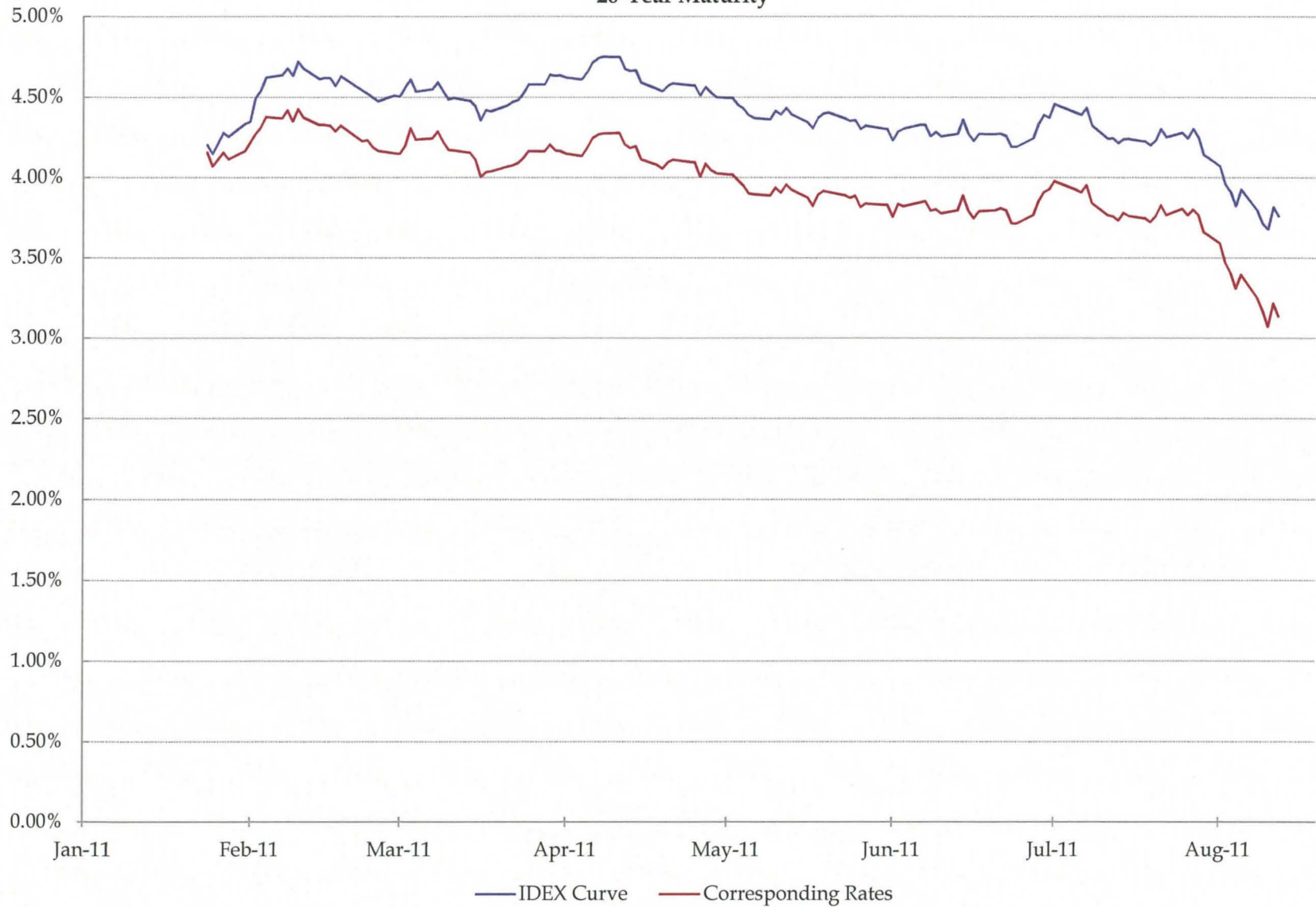


Exhibit 8F  
IDEX Curve and Corresponding Rates  
25-Year Maturity

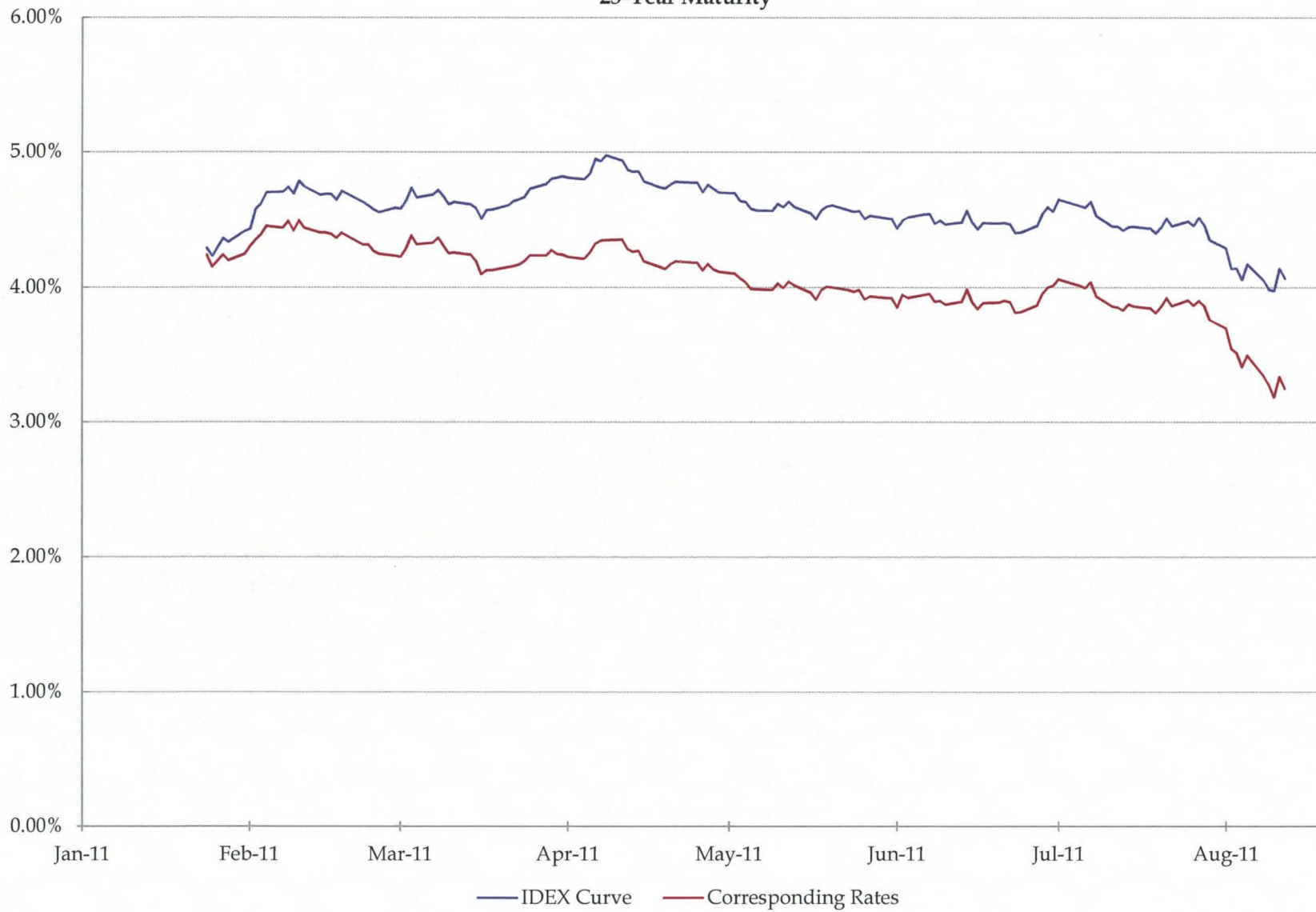


Exhibit 8G  
IDEX Curve and Corresponding Rates  
30-Year Maturity





**Exhibit 8**  
**IDEX Curve and Corresponding Rates**

**Note:**

[1] Corresponding Rates are obtained from IDCG. See DRW-IDCG-0000003.xlsx and Deposition of Garry O'Connor, pp. 211-21, JEF-CFTC472883-85.

**Sources:**

[1] Deposition of Garry O'Connor, September 18, 2012, JEF-CFTC-472831-920 and Exhibit 74 to the Deposition of Garry O'Connor, JEF-CFTC-474132.

[2] DRW-IDCG-0000003.xlsx



## **Appendix A**

### **Curriculum Vitae of Jeffrey H. Harris**

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#### **Education**

Ph.D., Business Administration, Finance. The Ohio State University, 1995

M.B.A., Finance. The University of Iowa, 1987

B.A., Physics. Economics Minor. The University of Iowa, 1986  
Attended Luther College, 1982-84

#### **Employment History**

American University, Gary Cohn Goldman Sachs Chair in Finance, 2013-Present  
Finance and Real Estate Department Chair, 2014-Present

Syracuse University, Dean's Chair in Finance, 2011-2013

University of Delaware, Professor, 2006-11  
Associate Professor, 2003-06  
Assistant Professor, 2001-03

Southern Methodist University, James M. Collins Chair (Visiting), 2010-11

U.S. Commodity Futures Trading Commission, Chief Economist, 2007-10  
Visiting Academic/Consultant, 2006-07

University of Notre Dame, Assistant Professor, 1995-2001

Nasdaq Department of Economic Research, Visiting Academic Fellow, 2000-01

U.S. Securities and Exchange Commission, Visiting Academic Scholar, 1999-2000

The Ohio State University, Visiting Assistant Professor, 1995-97

## **Professional Activities**

### **Testimony before Congress**

"The Role of Speculative Investments in Energy Markets" before the United States Senate Subcommittee on Energy and Natural Resources, September 16, 2008.

"Financial Speculation in Commodity Markets: Are Institutional Investors and Hedge Funds Contributing to Food and Energy Price Inflation?" before the United States Senate Committee on Homeland Security and Governmental Affairs, May 20, 2008.

"The Influence of Speculative Traders in Commodity Markets" before the United States House of Representatives Agriculture Committee, May 15, 2008.

"The Influence of Non-commercial Institutional Investors on Oil Prices" before the United States Senate Committee on Energy and Natural Resources, April 3, 2008.

### **Testimony before the Commodity Futures Trading Commission**

"Price Discovery in Natural Gas Markets" before the United States Commodity Futures Trading Commission Hearing to Examine Trading on Regulated Exchanges and Exempt Commercial Markets, September 18, 2007.

"Price Convergence in Agricultural Markets" before the United States Commodity Futures Trading Commission Agricultural Markets Roundtable, April 22, 2008.

"On Position Limits" before the United States Commodity Futures Trading Commission Open Meeting Regarding Proposed Position Limits Rule, January 14, 2010.

### **Expert Reports**

In re: United States Securities and Exchange Commission v. Moises Saba Masri and Albert Meyer Sutton

In re: Sycamore Networks, Inc. Initial Public Offering Securities Litigation

In re: United States v. Sergey Aleynikov

In re: United States v. George Holley

In re: Qimonda Richmond, LLC, et al. Debtors, Chapter 11

In re: U.S. Commodity Futures Trading Commission v. Donald A. Newell and

Quiddity, LLC